Xiaoqin Wang

List of Publications by Citations

42 papers	5,088 citations	24 h-index	42 g-index
42 ext. papers	5,775 ext. citations	8.3 avg, IF	5.45 L-index

#	Paper	IF	Citations
42	Materials fabrication from Bombyx mori silk fibroin. *Nature Protocols*, **2011**, 6, 1612-31	18.8	1752
41	Sonication-induced gelation of silk fibroin for cell encapsulation. *Biomaterials*, **2008**, 29, 1054-64	15.6	492
40	Water-insoluble silk films with silk I structure. *Acta Biomaterialia*, **2010**, 6, 1380-7	10.8	450
39	Growth factor gradients via microsphere delivery in biopolymer scaffolds for osteochondral tissue engineering. *Journal of Controlled Release*, **2009**, 134, 81-90	11.7	351
38	Silk nanospheres and microspheres from silk/pva blend films for drug delivery. *Biomaterials*, **2010**, 31, 1025-35	15.6	321
37	Silk microspheres for encapsulation and controlled release. *Journal of Controlled Release*, **2007**, 117, 360-70	11.7	251
36	Silk coatings on PLGA and alginate microspheres for protein delivery. *Biomaterials*, **2007**, 28, 4161-9	15.6	161
35	Insoluble and flexible silk films containing glycerol. *Biomacromolecules*, **2010**, 11, 143-50	6.9	155
34	3D Bioprinting of Self-Standing Silk-Based Bioink. *Advanced Healthcare Materials*, **2018**, 7, e1701026	10.1	140
33	Stabilization of enzymes in silk films. *Biomacromolecules*, **2009**, 10, 1032-42	6.9	140
32	Stabilization and release of enzymes from silk films. *Macromolecular Bioscience*, **2010**, 10, 359-68	5.5	112
31	Silk-based biomaterials in biomedical textiles and fiber-based implants. *Advanced Healthcare Materials*, **2015**, 4, 1134-51	10.1	99
30	Injectable silk-polyethylene glycol hydrogels. *Acta Biomaterialia*, **2015**, 12, 51-61	10.8	82
29	Silk hydrogels for sustained ocular delivery of anti-vascular endothelial growth factor (anti-VEGF) therapeutics. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 95, 271-8	5.7	73
28	Control of silk microsphere formation using polyethylene glycol (PEG). *Acta Biomaterialia*, **2016**, 39, 156-168	10.8	44
27	Curcumin-functionalized silk materials for enhancing adipogenic differentiation of bone marrow-derived human mesenchymal stem cells. *Acta Biomaterialia*, **2015**, 11, 222-32	10.8	39
26	Functionalization of silk fibroin with NeutrAvidin and biotin. *Macromolecular Bioscience*, **2011**, 11, 100-10	5.5	38

25	Oral Delivery of Curcumin Using Silk Nano- and Microparticles. *ACS Biomaterials Science and Engineering*, **2018**, 4, 3885-3894	5.5	35
24	Inner ear delivery of dexamethasone using injectable silk-polyethylene glycol (PEG) hydrogel. *International Journal of Pharmaceutics*, **2016**, 503, 229-37	6.5	31
23	Silk/chitosan biohybrid hydrogels and scaffolds via green technology. *RSC Advances*, **2014**, 4, 53547-53556	3.7	30
22	Control of silicification by genetically engineered fusion proteins: silk-silica binding peptides. *Acta Biomaterialia*, **2015**, 15, 173-80	10.8	26
21	Curcumin-functionalized silk biomaterials for anti-aging utility. *Journal of Colloid and Interface Science*, **2017**, 496, 66-77	9.3	25
20	Functionalization of polyethylene terephthalate fabrics using nitrogen plasma and silk fibroin/chitosan microspheres. *Applied Surface Science*, **2019**, 495, 143481	6.7	25
19	Stabilization of Natural Antioxidants by Silk Biomaterials. *ACS Applied Materials & Interfaces*, **2016**, 8, 13573-82	9.5	24
18	Lithium-free processing of silk fibroin. *Journal of Biomaterials Applications*, **2016**, 31, 450-63	2.9	21
17	Low-Density Silk Nanofibrous Aerogels: Fabrication and Applications in Air Filtration and Oil/Water Purification. *ACS Nano*, **2021**, 15, 1048-1058	16.7	21
16	In situ ultrasound imaging of silk hydrogel degradation and neovascularization. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 822-830	4.4	19
15	A Biodegradable Stent with Surface Functionalization of Combined-Therapy Drugs for Colorectal Cancer. *Advanced Healthcare Materials*, **2018**, 7, e1801213	10.1	18
14	DNA preservation in silk. *Biomaterials Science*, **2017**, 5, 1279-1292	7.4	17
13	Effect of pH on polyethylene glycol (PEG)-induced silk microsphere formation for drug delivery. *Materials Science and Engineering C*, **2017**, 80, 549-557	8.3	16
12	Flexible Water-Absorbing Silk-Fibroin Biomaterial Sponges with Unique Pore Structure for Tissue Engineering. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1641-1649	5.5	11
11	Silk Fibroin-Based Fibrous Anal Fistula Plug with Drug Delivery Function. *Macromolecular Bioscience*, **2018**, 18, e1700384	5.5	11
10	Structural Mimetic Silk Fiber-Reinforced Composite Scaffolds Using Multi-Angle Fibers. *Macromolecular Bioscience*, **2015**, 15, 1125-33	5.5	10
9	Ductility and Porosity of Silk Fibroin Films by Blending with Glycerol/Polyethylene Glycol and Adjusting the Drying Temperature. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1176-1185	5.5	10
8	Dexamethasone-loaded injectable silk-polyethylene glycol hydrogel alleviates cisplatin-induced ototoxicity. *International Journal of Nanomedicine*, **2019**, 14, 4211-4227	7.3	9

7	Porous nerve guidance conduits reinforced with braided composite structures of silk/magnesium filaments for peripheral nerve repair. *Acta Biomaterialia*, **2021**, 134, 116-130	10.8	7
6	Generation of Nano-pores in Silk Fibroin Films Using Silk Nanoparticles for Full-Thickness Wound Healing. *Biomacromolecules*, **2021**, 22, 546-556	6.9	7
5	Lubrication Properties of Phospholipid Liposome Coated Silk Microspheres. *Particle and Particle Systems Characterization*, **2013**, 30, 133-137	3.1	6
4	Sustainable Antibacterial Surgical Suture Using a Facile Scalable Silk-Fibroin-Based Berberine Loading System. *ACS Biomaterials Science and Engineering*, **2021**, 7, 2845-2857	5.5	5
3	Tuning Microcapsule Shell Thickness and Structure with Silk Fibroin and Nanoparticles for Sustained Release. *ACS Biomaterials Science and Engineering*, **2020**, 6, 4583-4594	5.5	2
2	Sustained Photosynthesis and Oxygen Generation of Microalgae-Embedded Silk Fibroin Hydrogels. *ACS Biomaterials Science and Engineering*, **2021**, 7, 2734-2744	5.5	1
1	Sustainable Antibacterial and Anti-Inflammatory Silk Suture with Surface Modification of Combined-Therapy Drugs for Surgical Site Infection.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	1